

**Amendments to the Abstract:**

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Disclosed is a luminescent material for scintillators, which comprises a single crystal of an Yb-containing mixed-crystal oxide having a base crystal consisting of a garnet single crystal or a borate single crystal. The oxide single crystal has a composition represented by either one selected from the group consisting of  $R_3Al_5O_{12}$ ,  $R_3Ga_5O_{12}$ ,  $Li_6R(BO_3)_3$ ,  ~~$Li_3R_2Ga_3O_{12}$~~   $LaR_2Ga_3O_{12}$  and  $Gd_3R_2Ga_3O_{12}$ , wherein R is a mixture of Yb and either one of Y, Gd and Lu. The Yb as an element capable of forming an optically active state called CTS together with a neighboring negative ion (oxygen ion).